
	Recommended Program of Study for: Agriculture Mechanical Engineering Technology Equipment Fabrication Systems				
Career Cluster: Agriculture Food and Natural Resources			Career Pathway: Power, Structural and Technical Systems		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary	
English I	English II	English III	English IV	College of Southern Nevada Great Basin College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College	
Algebra I	Geometry I	Algebra II	Senior Level Math Course		
Biology	Chemistry	Third Year Science	Elective ¹		
Health / Computer Literacy	World History	US History	US Government		
Physical Education	Physical Education	Foreign Language ² or Elective ¹	Foreign Language ² or Elective ¹		
Agriculture Mechanical Engineering Technology I	Agriculture Mechanical Engineering Technology II	Ag MET Equipment Fabrication Systems	Agriculture Mechanical Engineering Technology Advanced Studies	Career and Technical Student Organizations	
Work-Based Learning		Secondary	-- Articulation --		Postsecondary
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers		Agriculture Mechanical Engineering Technology I Agriculture Mechanical Engineering Technology II Ag MET Equipment Fabrication Systems		Up to 3 credits at Great Basin College Up to 10 credits at Western Nevada College (subject to change)	
CTE Assessments³		Available Industry Certifications			High Wage - High Skill - High Demand Careers⁴
-End of Program Technical Assessment for AgMET Equipment Fabrication Systems -Workplace Readiness Skills Assessment (for Employability Skills Standards)		Certification CareerSafe AWS Certified Welder	Provider OSHA American Welding Society		Welder Agriculture Educator Education and Extension Specialist Agriculture Engineer Equipment/Parts Manager Machinists

This Program of Study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

⁴ For additional career and employment information visit <http://www.nvcis.intocareers.org/> and <http://www.NevadaYouth.org>